

THE UNIVERD STRAYES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Hioneer Hi-Bred International, Inc.

ILLUCIOS, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT. THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE PHERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS ARE ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY SAIS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC STANDSHIPMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE LOSS EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR USE IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE STRUCKES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT SAY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

SOYBEAN

'R.JS34002'

In Testimonn Thereof, I have hereunto set my hand and caused the seal of the Hant Haristy Frotestion Office to be affixed at the City of Washington, D.C. this twenty-second day of January, in the year two thousand and nine.

Atlast:

OCrz

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Mu SV Sul ary of Signiculatio

REPRODUCE LOCALLY, Include form number and da	ite on all reprodu	ctions			Form Approved - OMB No. 0581-0055					
U.S. DEPARTMEN AGRICULTURAL N			The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.							
SCIENCE AND TECHNOLOGY - PI			Application is required in order to deter	mine if a pi	ant variety protection certificate is to be issued					
APPLICATION FOR PLANT VAI (Instructions and information col			(7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).							
1. NAME OF OWNER			TEMPORARY DESIGNATION OR							
Pioneer Hi-Bred Internation	al, Inc.		XB35X07		RJS34002					
4. ADDRESS (Street and No., or R.F.D. No., City,	State, and ZIP Co.	de, and Country)	5. TELEPHONE (include area code)		FOR OFFICIAL USE ONLY					
7300 N.W. 62nd Avenue			(515) 253-2197		NUMBER					
P.O. Box 1004			6. FAX (include area code)	#	200800152					
Johnston, IA 50131-1004			(515) 253-2288	FILING	DATE					
7. IF THE OWNER NAMED IS NOT A "PERSON", ORGANIZATION (corporation, partnership, asso		8. IF INCORPORATED, GIVE STATE OF INCORPORATION	9. DATE OF INCORPORATION	2/28/2008						
Corporate		Iowa	May 6, 1926							
10. NAME AND ADDRESS OF OWNER REPRESE	NTATIVE(S) TO S	SERVE IN THIS APPLICATION. (First	person listed will receive all papers)	F	FILING AND EXAMINATION FEES:					
Paul D. Koelling		Cassie J. Prochask	Ka .	s	\$4,382.00					
7300 N.W. 62nd Avenue		7250 N.W. 62nd A	venue	R E C	DATE 2/28/08 CERTIFICATION FEE:					
P.O. Box 1004		P.O. Box 552		E	\$ 768.00					
Johnston, IA 50131-1004		Johnston, IA 501	31-1000	V E D	DATE 1/2/2009					
11. TELEPHONE (Include area code)	12. FAX (Induc	ie area code)	13. E-MAIL							
(515) 253-2197		253-2288		paul.koelling@pioneer.com 18. DOES THE VARIETY CONTAIN ANY TRANSGENES? (OPTIONAL)						
14. CROP KIND (Common Name)	16. FAMILY N	AME (Bolanical)		AIN ANT I	RANSGENES (OFFICIAL)					
Soybean 15. GENUS AND SPECIES NAME OF CROP	Fabac	eae RIETY A FIRST GENERATION HYBR	IE SO DI EASE GIVE THE ASSIGNED LISTALADHIS DEFERENCE NI IMPRED FOR THE							
	YES	XNO	APPROVED PETITION TO I COMMERICALIZATION.	DEREGUL	ATE THE GENETICALLY MODIFIED PLANT FOR					
Glycine max 19. CHECK APPROPRIATE BOX FOR EACH ATTA			20 DOES THE OWNER SPECIE	Y THAT S	EED OF THIS VARIETY BE SOLD AS A CLASS					
(Follow instructions on reverse)	-415-11-2-1			OF CERTIFIED SEED? (See Section 83(s) of the Plant Variety Protection Act) YES (If "yes", answer items 21 and 22 below) X NO (If "no", go to item 23)						
a. X Exhibit A. Origin and Breeding History b. X Exhibit B. Statement of Distinctness	or the variety		21. DOES THE OWNER SPECIF	Y THAT S	EED OF THIS VARIETY BE LIMITED AS TO					
c. X Exhibit C. Objective Description of Ver	ielv		NUMBER OF CLASSES?							
d. X Exhibit D. Additional Description of the)	IF YES, WHICH CLASSES? FOUNDATION REGISTERED CERTIFIED							
e. X Exhibit E. Statement of the Basis of th				Y THAT S	EED OF THIS VARIETY BE LIMITED AS TO					
f. X Exhibit F. Declaration Regarding Depo			YES NO							
g. X Voucher Sample (3,000 viable untreat that tissue culture will be deposited and			IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS.							
g. X Filing and Examination Fee (\$4,382), n States" (Mail to the Plant Variety Protect		reasurer of the United	(If additional explanation is no	REGISTERED CERTIFIED is necessary, please use the space indicated on the reverse.)						
23. HAS THE VARIETY (INCLUDING ANY HARVES FROM THIS VARIETY BEEN SOLD, DISPOSE OTHER COUNTRIES?	STED MATERIAL) D OF, TRANSFER	OR A HYBRID PRODUCED RED, OR USED IN THE U.S. OR	24. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)?							
YES 🗹 NO			YES NO							
IF YES, YOU MUST PROVIDE THE DATE OF FOR EACH COUNTRY AND THE CIRCUMSTA			IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)							
25. The owners declare that a viable sample of bas for a tuber propagated variety a tissue culture to	ic seed of the vari	ety has been furnished with application	n and will be replenished upon request in a or the duration of the certificate.	ocordance	with such regulations as may be applicable, or					
	this sexually repro	duced or tuber propagated plant variet		stinct, unif	orm, and stable as required in Section 42, and is					
Owner(s) is (are) informed that false represents	ation herein can jed	opardize protection and result in penal	ties.							
SIGNATURE OF OWNER			SIGNATURE OF OWNER							
Paul V. Roeller	rėj									
NAME (Please print or type)			NAME (Please print or type)							
Paul D. Koelling	I DATE		CAPACITY OR TITLE	DATE						
Process Improvement Manager		6h,25,2008								
Tocess Improvement Manager		UN, WJ, WUU 0								

#200800152

GENERAL INSTRUCTIONS: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E, F; (3) for a tuber reproduced variety, verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; and (4) payment by credit card or check drawn on a U.S. bank for \$4,382 (\$518 filing fee and \$3,864 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice). NEW: With the application for a seed reproduced variety or by direct deposit soon after filling, the applicant must provide at least 3,000 viable untreated seeds of the variety per se, and for a hybrid variety at least 3,000 untreated seeds of each line necessary to reproduce the variety. Partial applications will be held in the PVPO for not more than 90 days; then returned to the applicant as un-filed. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a payment by credit card or check payable to "Treasurer of the United States" in the amount of \$768 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filling a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

Plant Variety Protection Office

Telephone: (301) 504-5518 FAX: (301) 504-5291

General E-mail: PVPOmail@usda.gov

Homepage: http://www.ams.usda.gov/science/pvpo/PVPindex.htm

SPECIFIC INSTRUCTIONS:

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that the permanent name of the application variety (even if it is a parental, inbred line) has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: U.S. Department of Agriculture, Agricultural Marketing Service, Livestock and Seed Programs, Seed Regulatory and Testing Branch, 801 Summit Crossing Place, Suite C, Gastonia, North Carolina 28054-2193 Telephone: (704) 810-8870. http://www.arns.usda.gov/lsg/seed.htm.

ITEM

19a. Give:

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;
 - (2) attach replicated statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 20. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- 22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)
- 24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)
 U.S. Patent 4,940,835 issued to Shah et al. as per the Roundup Ready Gene in this variety.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gethering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, netional origin, age, disability, and where applicable, sex, marital status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program (Not all prohibited bases apply to all programs.) Persons with disabilities who require afternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDO).

To file a complaint of discrimination, wrife to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Exhibit A. Origin and Breeding History of the Variety

Soybean Variety RJS34002

Variety RJS34002 evolved from a cross made in the summer of 2000 in Illinois with the following parentage:

Parentage = YB36V00/YB36X00*

YB36V00 = 9362/93B82 YB36X00 = 9352/32870F2 32870F2 = 9352/21111 21111 = 9362/21080 21080 = 9362/90682C 90682C = 9342/G40-3P9341*

* G40-3P9341 is an experimental line with the Roundup Ready® (40-3-2) gene

Variety RJS34002 is an F3-derived line which was advanced to the F3 generation by modified single-seed descent. The F3 progeny row of RJS34002 was grown in a plant row yield trial in Iowa in the summer of 2002. Subsequently, RJS34002 has undergone five seasons of extensive testing and purification in the United States. It has been observed by the breeder to be uniform and stable for all plant traits from generation to generation, with no evidence of variants. On the basis of yield, soybean cyst nematode resistance (Race 3), Phytophthora resistance, and resistance to Roundup® branded herbicides; variety RJS34002 was assigned a commercial number.

The purification block was grown in 2005 in Iowa and 41 sub-lines were harvested. A fourth (0.25) acre increase was grown in Argentina in the winter of 2005/06. Nineteen (19) acres of parent seed stock (foundation seed equivalent) were grown in the summer of 2006, and approximately 553 acres of seed stock and production seed were grown in the summer of 2007.

Exhibit B. Statement of Distinctness

Soybean Variety RJS34002

Variety RJS34002 is most similar to Pioneer variety 93M60. Both varieties have purple flowers, light tawny pubescence, yellow seed with black hila, brown pod wall, resistance to race 3 of the soybean cyst nematode, resistance to *Phytophthora megasperma* as governed by the Rps1c gene, and resistance to Roundup® branded herbicides. However, RJS34002 has a spherical flattened seed shape and a shiny seed coat luster, whereas 93M60 has an elongated flattened seed shape and a dull seed coat luster.

Form Approved OMB NO 0581-0055

REPRODUCE LOCALLY. Include form number and date on all reproductions.

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U.S. DEPARTMENT OF AGRICULTURE

EXHIBIT

AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY **PLANT VARIETY PROTECTION OFFICE** BELTSVILLE, MD 20705

OBJECTIVE DESCRIPTION OF VARIETY Soybean (Glycine max (L.) Merr.)

NAME OF APPLICANT (S)	TEMPORARY OR EXPERIMENTAL DESIGNATION	VARIETY NAME					
Pioneer Hi-Bred International, Inc.	XB35X07	RJS34002					
ADDRESS (Street and No. or RD No., City, State, Zip Code, and Country	FOR OFFICIAL USE ONLY						
7300 N.W. 62nd Avenue, P.O. Box 1004, Joh	nston, IA, 50131-1004	#20080015					
should be based on a minimum of 100 plants. Comparat) when number is either 99 or less or 9 or less respectively. ve data should be determined from varieties entered in the sa plant colors; designate system used	ame trial. Royal Horticultural Society or					
A MORRIJOLOGY							
A. MORPHOLOGY: Seed Shape: 1 = Spherical (LW, L/T, and T/W ratios ≤1.2)	2 = Spherical-Flattened (L/W ratios> 1.2; L/T ratios ≤ 1.2)						
3 = Elongate (L/W ratios > 1.2; T/W ratios ≤ 1.2)	4 = Elongate-Flattened (L/T ratios ≥ 1.2; L/W ratios ≥ 1.2)						
Seed Coat Color: * 1 1 = Yellow 2 = Green 3 = Brown Seed Coat Luster:	own 4 = Black 5 = Other (Please specify))					
2 1 = Dull 2 = Shiny							
Seed Size: * 16 grams/100 seeds (rounded to	the nearest decimal (00.0))						
Hilum Color: * 6 1 = Buff 2 = Yellow 3 = Bro 7 = Other (Please specify)	wn 4 = Gray 5 = Imperfect Black 6	6 = Black					

A. MORPHOLOGY: (continued)

Cotyledon Color:

1 1 = Yellow

2 = Green

Seed Protein Peroxidase Activity:

2 1 = Low

2 = High

Hypocotyl Color:

3 1 = Green

2 = Green with Bronze ('Evans' or 'Davis') Band below cotyledons

('Woodworth' or 'Tracy')

3 = Light Purple below Cotyledons ('Beeson' or 'Pickett 71') 4 = Dark Purple extending to unifoliolate leaves ('Hodgson', 'Coker', or 'Hampton 266A')

Leaf Shape:

3 1 = Lanceolate

2 = Oval

3 = Ovate

4 = Other (Please specify)

Flower Color:

1 = White

2 = Purple

3 = White with a Purple Throat

Pod Color:

1 = Tan 2

2 = Brown

3 = Black

Pubescence Color:

3 1 = Gray

2 = Brown (Tawny)

3 = Light Tawny

Plant Habit:

* 3 1 = Determinate

2 = Semi-determinate

3 = Indeterminate

4 = Intermediate

Maturity Group:

6

1 = 000 6 = III

2 = 007 = IV

3 = 08 = V

4 = 19 = VI

5 = 1110 = VII

11 = VIII

12 = 1

13 = X

14 = XI

15 = XII

Maturity Subgroup:

* 4 Please enter a value from 0-9

B. DISEASE REACTIONS: 0 = Not Tested

1 = Susceptible

2 = Resistant

3 = Tolerant

NOTE: Failure to supply information for at least 5 of the following disease reactions will result in significant delay in the examination process. Items denoted by and asterisk are the disease reactions most useful in the examination process.

Bacterial

- 0 Bacterial Pustule (Xanthomonas campestris pv. glycines (Nakano) Dye)
- Bacterial Blight (Pseudomonas syringae pv. glycinea (Coerper) Young, Dye, & Wilkie)
- Wildfire Blight (Pseudomonas syringae pv. tabaci (Wolf & Foster) Young, Dye, & Wilkie)

Fungal

- Brown Spot (Septoria alycines Hemmi)
- Frogeye Leaf Spot (Cercospora sojina Hara)
 - 0 race 1
- 0 race 3
- 0 race 5
- race 7
- race 2 гасе 4 **0** race 6
- Important: Any other races tested (Please specify)

										760	V .	001	<u> </u>	Exhibit	C (Soybea
В.	DIS	SEASE REA	CT	TONS: (cont	inue	ed)									
	0] Target Spot (Cor	ynespora cass	iico	la (Berk. & Cur	t.) V	Vei)							
	0	Downy Milde	w (F	eronspora trif	olior	um var. manci	nurio	a (Naum.) Syc	l. Ex	(Gäum)					
	0	1	•	•		<i>us</i> a Cke. & Pk		, , ,		•					
	0	1		` '			•	namberlain) W.	Ga	ms.)					
*	0	, }				•		-		Athow & Caldw	/ell)				
*	1		-	, ,		,				ojae (Lehman)		nm.)			
	0	1		• , ,	•	•		´` Готоуаѕи) Ga				•			
	1]		Rot (Rhizocto		,		, ,		,					
	0	,)		•		•	w. (a	a.k.a. <i>Phakosp</i>	ora	pachyrhizia Sy	dw.))			
	0	, - 1		e specify)		,	•				•	•			
Spo		,			o Dk	n danhthara D	ot E	Pot					•		
Spe		Rps1				nytophthora Ro				Rps5	0 5	Rps?			
	U	(Williams)	_	Rps1-c (Arksoy)	0	<i>Rps1-k</i> (Kingwa)	0	<i>Rps3-b</i> (Pl 172.901)	U	」たり35 (PI 91.160)	<u>o</u> ''	Nezumi:	saya, OX	939, C	DX940
	0	<i>Rps1-a</i> (Mukden)	0	<i>Rps1-d</i> (Pl 103.091)	0	Rps2 (CNS)	0	<i>Rps3-c</i> (Pl 340.046)	0	Rps6 (Altona)					
	0	<i>Rps1-b</i> (Sanga)	0	<i>Rps1-e</i> (Pl 172.907)	0	<i>Rps3-a</i> (Pl 171.442)	0	<i>Rps4</i> (Pl 86.050)	0	Rps7 (Harosoy)					
*Ph	ytop	hthora Root R	ot (F	Phytophthora s	soja	e (Kaufmann 8	Ge،	rdemann))							
	0	race 1	0	гасе 9	0	race 17	0	race 25	0	race 32	0	race 39			
	0	race 2	0	race 10	0	гасе 18	0	race 26	0	race 33	0	гасе 40)		
	0	race 3	0	race 11	0	race 19	0	race 27	0	race 34	0	race 41			
	0	race 4	0	race 12	0	race 20	0	race 28	0	race 35	0	гасе 42	2		
	2	race 5	0	race 13	0	race 21	0	race 29	0	race 36	0	race 43	3		
	0	race 6	0	race 14	0	гасе 22	0	race 30	0	race 37	0	гасе 44	1		
	1	race 7	0	race 15	0	race 23	0	race 31	0	race 38	0	race 45	5		
	0	race 8	0	race 16	0	race 24	0	Important: An	ıy ot	her races teste	:d (F	Please sp	pecify) 🔄		
		Dud Diebt /7-	hac	oo Dinasaat V		١									
	$\overline{\Box}$	Bud Blight (To				•									
*	1		•	ean Yellow Mo		•									
	1	Cowpea Mosa	•	·		virus)									
	$\mid 1 \mid$	Pod Mottle (B	ean	Pod Mottle Vii	us)										

Nematode

*Soybean Cyst	Nematode	(Heterodera	glycines	Ichinohe)
---------------	----------	-------------	----------	-----------

* 1 Seed Mottle (Soybean Mosaic Virus)

	U race 4	
0 race 2	0 race 5	0 race 14
2 race 3	0 race 6	Important: Any other races tested (Please specify)

В.	DI	SEASE REACTIONS: (continued)
	0	Lance Nematode (Hoplolaimus columbus Sher)
	0	Southern Root Knot Nematode (Meliodogyne incognita (Kofoid & White) Chitwood)
	0	Northern Root Knot Nematode (Meliodogyne hapla Chitwood)
	0	Peanut Root Knot Nematode (Meliodogyne arenaria (Neal) Chitwood)
	0	Reniform Nematode (Rotylenchus reniformus Linwood & Olivera)
	0	Javanese Nernatode (<i>Meliodogyne javanica</i> (Treub) Chitwood)
	0	Important: Other Nematodes tested (Please specify)
C.	PH	IYSIOLOGICAL RESPONSES: 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Tolerant
		Iron Chlorosis on Calcareous Soil
	0	Phosphorus 0 Important: Other (Please specify)
	0	Boron
	0	Aluminum
	0	Salt .
	0	Drought
D.	INS	SECT REACTIONS: 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Tolerant
	0	Mexican Bean Beetle (<i>Epilachna varivestis</i> Mulsant)
		Soybean Aphid (<i>Aphis glycines</i> Matsamura)
		Potato Leaf Hopper (<i>Empoasca fabae</i> (Harris))
	0	Important: Other (Please specify)
E.	HE	RBICIDE REACTIONS: 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Tolerant
	0	 Metribuzin
	0	Bentazone
	1	Sulfonylurea
*	2	Glyphosate
	1	Glufosinate
	0	Pendimethalin
	0	Important: Other (Please specify)

F. TRANSGENIC COMPOSITION:

Has the development of the subject variety included the insertion of genetic material from an organism other than a soybean, or, the removal of genetic material from the application variety?

If yes, please complete the following information requests*. Use additional pages if necessary.

✓ Yes

No

- 1. Please state the vector's name:
- 2. Please state the vector components:
- 3. Please describe the genetic material successfully transferred into the subject variety:
- 4. Please describe the insertion protocol:
- * A literature citation(s) explaining the four information requests above may be an acceptable alternative to completion of the "Transgenic Composition" portion of this form.

G. BIOCHEMICAL MARKERS:

Please describe any additional genetic and/or biochemical information which you believe will be helpful in further describing the subject variety here (e.g., Single Nucleotide Polymorphisms (SNPs), Simple Sequence Repeats (SSRs), Restriction Fragment Length Polymorphisms (RFLPs), Isozyme characterization, etc.). Use additional pages if necessary.

H. STATISTICAL DATA FOR APPLICATION AND CITED MOST SIMILAR VARIETIES:

Please provide paired comparison data and appropriate statistical test (e.g. LSD. Std. error, ANOVA, Mann-Whitney *U*-test or Kruskal-Wallis Test, etc.) value (95 or > probability level).

Variety	No. of days Maturity	Plant height (cm)	% Linoleic acid	% Oleic acid	% Linolenic acid	% Other fatty acids (specify)	% Total oil	% Protein (Plant dried down to%)
Application Variety Year/Location 1								
Year/Location 2								
Cited Most Similar Variety Year/Location 1								
Year/Location 2 LSD .05								

Exhibit C (Soybean)

I. COMMENTS:

Number 1:

The Transgenic Composition section is fully addressed in the following publication. Specific details of this vector components and insert elements are summarized in Figure 1 and Table 1 on page 1453. Padgett, S.R. et al. Development, Identification, and Characterization of a Glyphosate-Tolerant Soybean Line. 1995. Crop Science. 35:1451-1461.

Number 2:

RJS34002 is rated as susceptible to iron chlorosis on calcareous soils. On a scale of one to nine with one being fully susceptible, and nine being complete resistance; RJS34002 is rated three.

Exhibit D. Additional Description of the Variety

Soybean Variety RJS34002

In Exhibit C we have identified variety RJS34002 as susceptible to bacterial blight, brown spot, pod and stem blight, rhizoctonia root rot, bud blight, yellow mosaic, cowpea mosaic, pod mottle and seed mottle.

This does not mean that variety RJS34002 is any worse for these problems than other varieties of similar maturity. Rather, we do not consider RJS34002 to be immune to these problems. Therefore, we have chosen to be conservative and have identified the line as "susceptible".

Variety RJS34002 is a mid Group 3 variety. If Group 3 varieties are divided into tenths, the relative maturity of RJS34002 is 3.4.

11. Additional explanation on ownership (Trace ownership from original breeder to current owner. Use the reverse for extra space if needed):

PLEASE NOTE:

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

- If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
- If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
- 3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gethering and maintaining the data needed, and completing and reviewing the collection of information.

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To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provide and employer.

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To tile a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or cell 202-720-5964 (voice and TDD) USDA is an equal opportunity provider and employer.

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705

EXHIBIT F DECLARATION REGARDING DEPOSIT

NAME OF OWNER (S) Pioneer Hi-Bred International, Inc.	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country) 7300 N.W. 62nd Avenue	TEMPORARY OR EXPERIMENTAL DESIGNATION XB35X07			
	P.O. Box 1004 Johnston, IA 50131-1004	VARIE RJS34002			
NAME OF OWNER REPRESENTATIVE (S)	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country)	FOR OFFICIAL USE ONLY			
Paul D. Koelling Cassie J. Prochaska	7300 N.W. 62nd Avenue P.O. Box 1004 Johnston, IA 50131-1004	#200800152			

I do hereby declare that during the life of the certificate a viable sample of propagating material of the subject variety will be deposited, and replenished as needed periodically, in a public repository in the United States in accordance with the regulations established by the Plant Variety Protection Office.

Daul O Hoelling

Feb. 25, 2008